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APPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/018,957	1	2/27/2001	Christopher C. Davis	1797.0360001 6050		
26111	7590	12/02/2004		EXAMINER		
•		, GOLDSTEIN &	BELLO, AGUSTIN			
1100 NEW Y WASHINGT		ENUE, N.W. 20005		ART UNIT	PAPER NUMBER	
	,			2633		

DATE MAILED: 12/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office A -41 O	10/018,957	DAVIS, CHRISTOPHER C.					
Office Action Summary	Examiner	Art Unit					
	Agustin Bello	2633					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet v	vith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR RITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a n. a reply within the statutory minimum of th eriod will apply and will expire SIX (6) MC statute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. IBANDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on _	_						
	This action is non-final.						
3) Since this application is in condition for all	,—						
Disposition of Claims							
4) ☐ Claim(s) 1-8 is/are pending in the applicating 4a) Of the above claim(s) is/are with 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-8 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and are subject.	ndrawn from consideration.						
Application Papers							
9) ☐ The specification is objected to by the Exar	miner.						
10)☐ The drawing(s) filed on is/are: a)☐	accepted or b) ☐ objected to	by the Examiner.					
Applicant may not request that any objection to	• • • • • • • • • • • • • • • • • • • •	, ,					
Replacement drawing sheet(s) including the co							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the application from the International But * See the attached detailed Office action for a 	nents have been received. nents have been received in priority documents have bee ireau (PCT Rule 17.2(a)).	Application No n received in this National Stage					
Attachment(s)							
1) X Notice of References Cited (PTO-892)	4) 🗍 Interview	Summary (PTO-413)					
2) 🔲 Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No	(s)/Mail Date					
 Information Disclosure Statement(s) (PTO-1449 or PTO/St Paper No(s)/Mail Date 3/14/02. 	3/08) 5) Notice of 6) Other: _	Informal Patent Application (PTO-152)					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Miyamori (U.S. Patent No. 6,278,537).

Regarding claims 1 and 5, Miyamori teaches a method for opical wireless communication, comprising the steps of receiving a source data signal (reference numeral S11 in Figure 3) having data; creating a set of temporally distinguishable transmission signals (e.g. S11 and S12 in Figure 3); converting (via reference numeral 106 in Figure 3) the set of temporally distinguishable transmission signals to obtain corresponding a set of temporally distinguishable light signals, each light signal having a modulation representation of the data from the same data signal; whereby, the set of light signals can pass through uncorrelated channels in a turbulent medium (reference numeral L01 in Figure 3).

Regarding claims 2 and 6, Miyamori teaches transmitting the set of temporally distinguishable light signals in a single output transmission beam through a turbulent medium (reference numeral L01 in Figure 3).

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Regarding claims 3 and 7, Miyamori teaches a set of delayed, diverse light signals (e.g. S11 and S12 in Figure 3), and wherein: said creating step comprises the steps of creating at least one duplicate of the source data signal (e.g. input to reference numeral 101 in Figure 3) and delaying the created duplicate signal (via reference numeral 101 in Figure 3) to obtain the set of temporally distinguishable transmission signals having a non-delayed transmission signal and at least one delayed transmission signal (e.g. S11 and S12 in Figure 3); and said converting step (via reference numeral 106 in Figure 3) comprises the steps of generating a set of delayed, diverse light signals in response to the set of temporally distinguishable transmission signals, wherein the set of delayed, diverse light signals includes a first light signal a non-delayed transmission signal and at least one delayed transmission signal.

Regarding claims 4 and 8, Miyamori teaches receiving (reference numeral 151 in Figure 3) the single output transmission beam after it passes through the turbulent medium (reference numeral L01 in Figure 3), detecting temporally distinguishable light signals within the received single output transmission beam to obtain corresponding temporally distinguishable data signals (e.g. S15 and S16 in Figure 3); temporally adjusting each temporally distinguishable data signals obtained in said detecting step (reference numeral 156 in Figure 3); and logically evaluating bits (reference numeral 157 in Figure 3) in each of said temporally adjusted temporally distinguishable data signals to obtain a single output data signal (reference numeral S19 in Figure 3).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Agustin Bello whose telephone number is (571) 272-3026. The examiner can normally be reached on M-F 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Chan can be reached on (571)272-3022. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Agustin Bello Examiner Art Unit 2633

AB